



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

www.buildingcodeonline.com

Technical Glass Product
600 6th Street South
Kirkland, WA 98033

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Pilkinton Profilit Series "70 HI" Glass Channel System - LMI

APPROVAL DOCUMENT Drawing No.05-035, titled "Pilkinton Profilit Series 70 HI Glazing System", sheets 1 through 5 of 5, dated 02/28/05, with revision #1 dated 10/30/06, prepared by Tilteco Inc., signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
12/21/06

NOA No. 06-0810.12
Expiration Date: January 11, 2012
Approval Date: January 11, 2007
Page 1

Technical Glass Product

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **05-035**, titled "Pilkinton Profilit Series 70 HI Glazing System", sheets 1 through 5 of 5, dated 02/28/05, with revision #1 dated 10/30/06, prepared by Tilteco Inc., signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-4421, dated 01/31/06, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by Larson Engineering of Minnesota, dated 05/30/06, signed and sealed by Walter A. Tillit Jr., P.E.
Complies with ASTM E1300/02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **02-1205.03** issued to Security Impact Glass Holding, LLC, for "Saf-Glass Polycarbonate Laminate" dated 01/02/03, expiring on 12/16/07.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 05/30/06, signed by Walter A. Tillit, Jr., P.E.

G. OTHER

1. Letter from the consultant, dated February 08, 2006, stating that the product is in compliance with the Florida Building Code (FBC).



Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No. 06-0810.12

Expiration Date: January 11, 2012

Approval Date: January 11, 2007

GENERAL NOTES AND SPECIFICATIONS:

1. PILKINTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE WITH THE 2005 SUPPLEMENT.
PILKINTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE. IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS **NOT** USED IN THEIR ANALYSIS.
THIS PILKINTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM'S ADEQUACY FOR IMPACT AND CYCLIC RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203 AS PER FENESTRATION TESTING LAB REPORT # 4421 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1612 OF THE FLORIDA BUILDING CODE.
THIS PILKINTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM IS ALSO APPROVED FOR WATER AND AIR INFILTRATION AS PER TAS-202.

2. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T5 ALLOY AND TEMPER (UNLESS OTHERWISE NOTED), PER ASTM B221, WITH $F_y = 16.0$ ksi MINIMUM. THE THICKNESS OF ALL EXTRUSIONS SHALL BE AS SHOWN ON THIS DRAWING.

3. ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS MUST BE PAINTED PER SECTIONS 2003.8.4.2., 2003.8.4.4, 2003.8.4.5 AND 2003.8.4.6 OF THE FLORIDA BUILDING CODE AS APPLICABLE.

4. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE AISI STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH MINIMUM 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH.

5. ANCHORS NOTES: ANCHORS TO WALL SHALL BE AS FOLLOWS:

(A) TO EXISTING POURED CONCRETE: (Min. $f'_c = 2700$ psi)

- 1/4" TAPCON ANCHORS W/ 1 3/4" Min. EMBEDMENT BEYOND ANY WALL/SLAB FINISH & Min. 3" EDGE DISTANCE, AS MANUFACTURED BY ELCO TEXTRON, INC.

(B) TO EXISTING CONCRETE BLOCK WALL: (Min. ASTM C-90 UNIT)

- 1/4" TAPCON ANCHORS W/ 1 1/4" Min. EMBEDMENT BEYOND ANY WALL/SLAB FINISH & Min. 3" EDGE DISTANCE, AS MANUFACTURED BY ELCO TEXTRON, INC.

(C) TO EXISTING ALUMINUM (6063-T5 ALLOY) OR STEEL ($F_y \geq 33$ ksi); AND 1/8" Min. THICK:

- 1/4"x2" TEK SCREWS & Min. 1" EDGE DISTANCE AS MANUFACTURED BY I.T.W. BUILDEX.

6. ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

7. PILKINTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM INSTALLATION SHALL ONLY BE PERFORMED INTO EXISTING STRUCTURE CONSISTING OF POURED CONCRETE, CONCRETE BLOCK WALL, 1/8" Min. THICK ALUMINUM OR STEEL FRAME STRUCTURE AND SHALL COMPLY WITH SECTION 2411.4 OF THE FLORIDA BUILDING CODE AND WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.

8. PROVIDE 1/4" MAX. SHIM SPACE (TYP.).

9. **THIS PILKINTON PROFILIT GLAZING SYSTEM WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.**

10. PROVIDE DOW 795 SEALANT (TYP.) AT ALL FRAME AND GLASS JOINTS.

11. REMAINING COMPONENTS FOR THIS PILKINTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM SHALL BE AS INDICATED ON BILL OF MATERIALS, SHEET 3 OF THIS DRAWING.

12. THIS SYSTEM IS PATENT PENDING. COMPONENTS OF THIS APPROVAL ARE COVERED, IN WHOLE OR IN PART BY U.S. PATENT ISSUED TO TECHNICAL GLASS PRODUCTS.

13. PILKINTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM'S MANUFACTURER LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION.

ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:

TECHNICAL GLASS PRODUCTS.

KIRKLAND, WA.

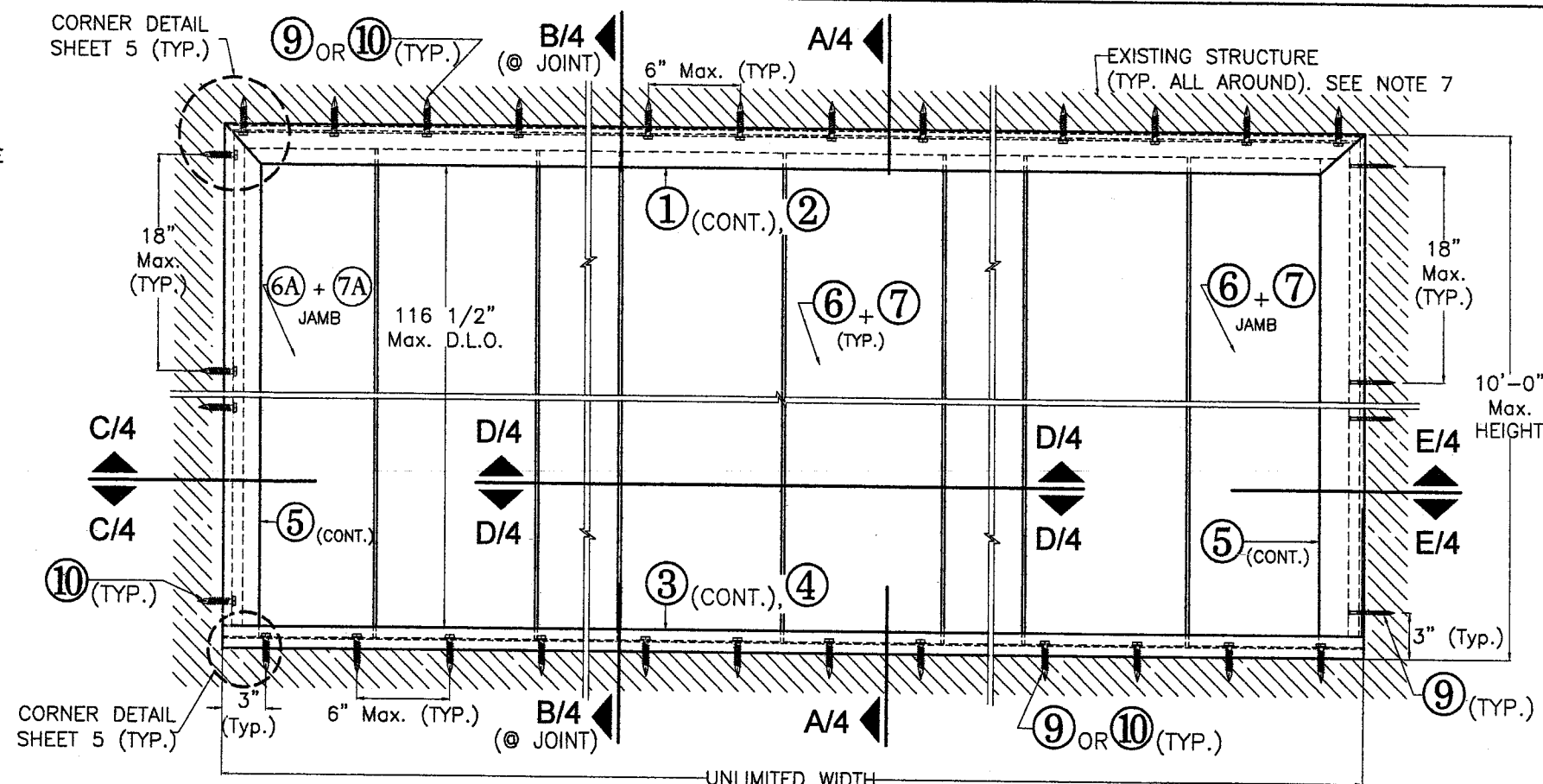
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

14. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

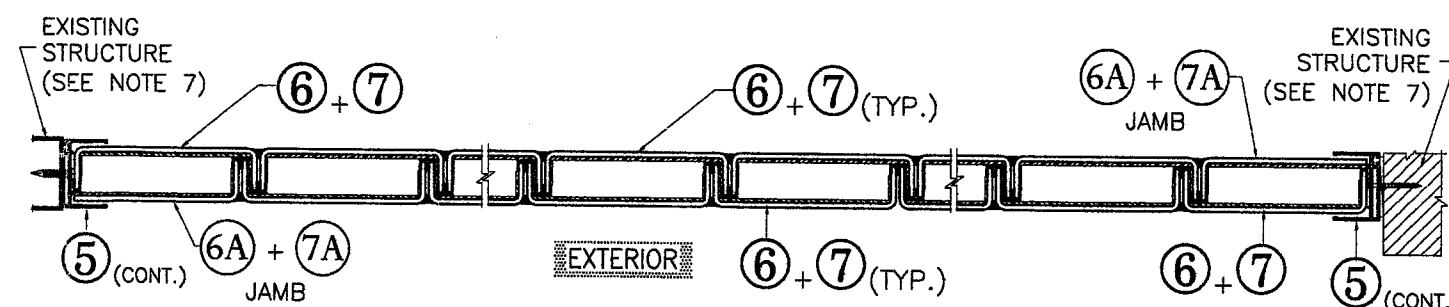
(c) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(d) THIS P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



TYPICAL EXTERIOR ELEVATION

SCALE: 3/32" = 1"



TYPICAL PLAN

SCALE: 3/32" = 1"

Max. DESIGN LOAD IS: ± 60 p.s.f.

MIAMI DADE COUNTY:

Approved as complying with the

Florida Building Code

Date 11/1/07

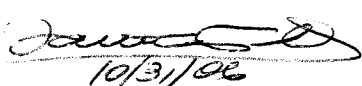


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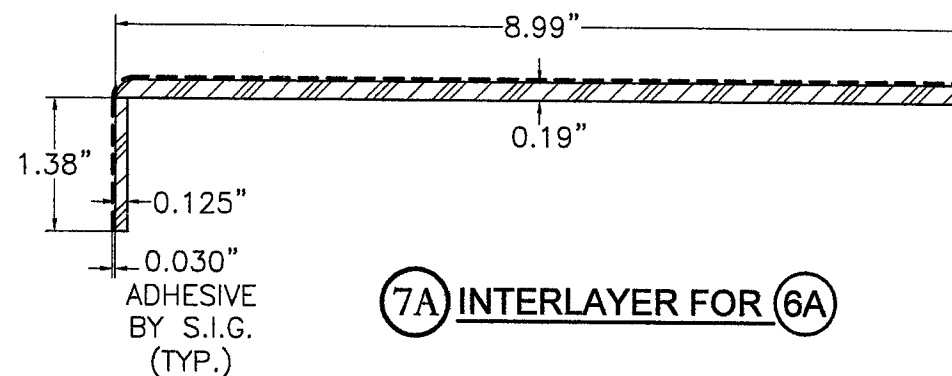
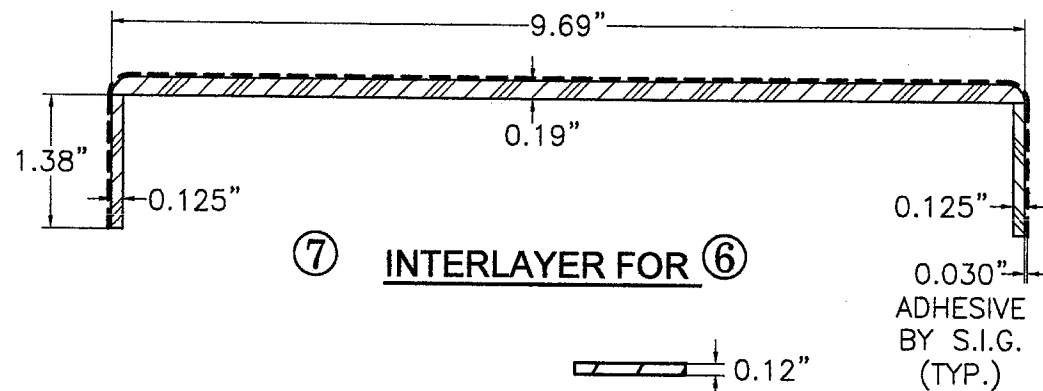
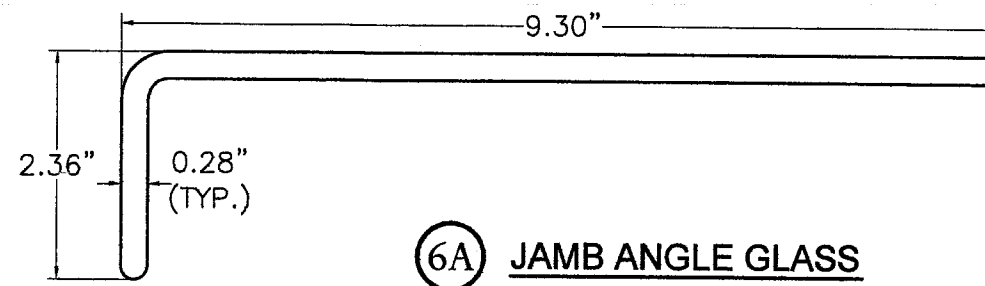
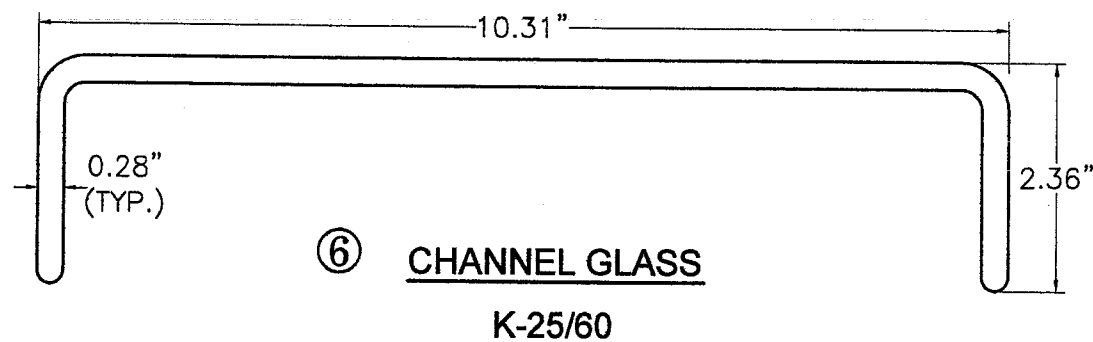
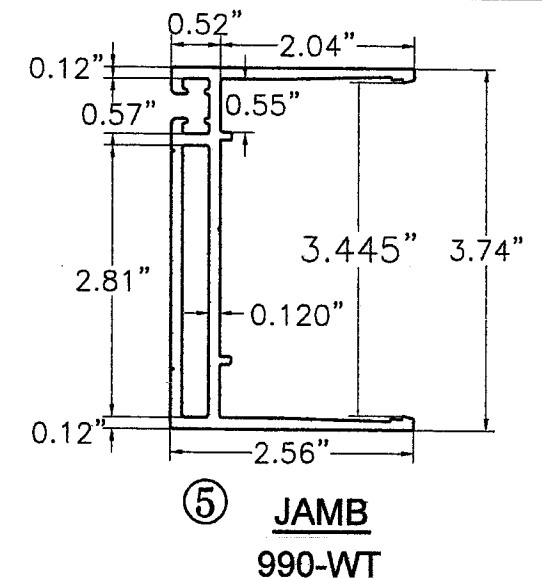
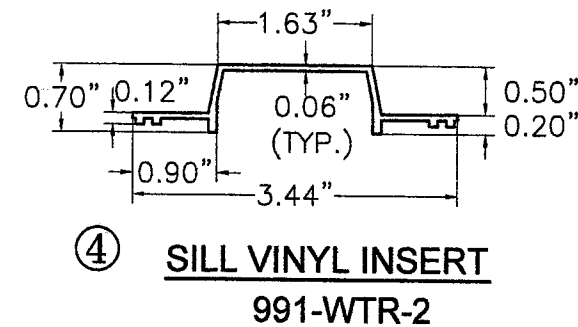
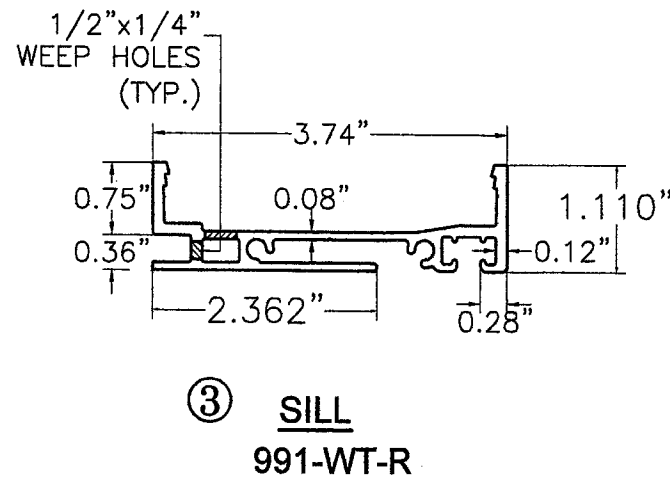
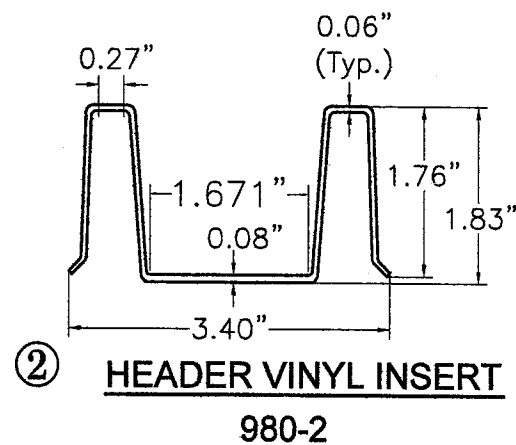
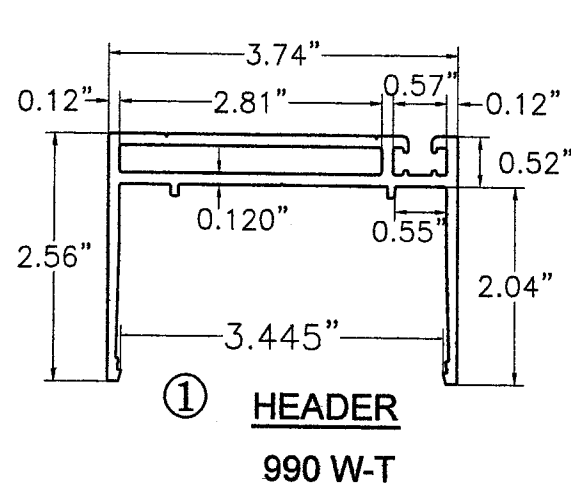
Miami Dade Product Control

Division

By [Signature]

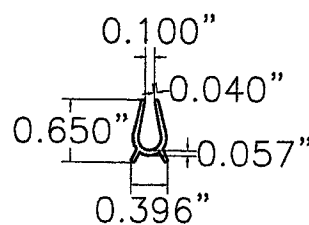
F.B.C. (HIGH VELOCITY HURRICANE ZONE)

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|  P.E. SEAL/SIGNATURE/DATE | | © 2005 TILTECO INC.  TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tilteco@aol.com EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167 | PILKINTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM  Technical Glass Products 600 6th STREET Kirkland, WA 98033 Phone: 1-800-428-2278 (425) 822-4514 Fax: 1-800-451-9857 (425) 822-4884 | L.G. DRAWN BY 2/28/05 DATE 05-035 DRAWING No SHEET 1 OF 5 | |
| REV. No | DESCRIPTION | DATE | REV. No | DESCRIPTION | DATE |
| 1 | GENERAL NOTES & LOAD | 10/30/06 | 3 | | |
| 2 | | | 4 | | |



GLAZING NOTES:

- 1) MINIMUM TOTAL THICKNESS FOR ⑥ + ⑦ INCLUDING ADHESIVE IS 0.50" @ 10.31" SIDE OF ⑥ & 0.435" @ 2.36" SIDE OF ⑥
- 2) MINIMUM TOTAL THICKNESS FOR ⑥A + ⑦A INCLUDING ADHESIVE IS 0.50" @ 9.30" SIDE OF ⑥A & 0.435" @ 2.36" SIDE OF ⑥A



COMPONENTS:

SCALE: 1/2" = 1"

MIAMI DADE COUNTY:

Approved as complying with the
Florida Building Code
Date: 1/11/07
NO. 08-0810-12
Miami Dade Product Control
Division
By: [Signature]

F.B.C. (HIGH VELOCITY HURRICANE ZONE)


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| REV. No | DESCRIPTION | DATE | REV. No | DESCRIPTION | DATE |
| 1 | COMPONENT 5 THICKNESS | 10/30/06 | 3 | | |
| 2 | | | 4 | | |

BILL OF MATERIALS:

| ITEM | DESCRIPTION | MATERIAL / MANUFACTURER | REMARKS |
|------|-------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ① | HEADER | 6063-T5 ALUMINUM ALLOY | 990 WT |
| ② | HEADER INSERT | AAMA APPROVED VINYL CUSTOM WINDOW EXTRUSIONS INC. | 980-2 PIECES OF 8 3/4" LONG W/ 1 3/4" SEPARATION AT CHANNEL GLASS JOINTS TO FIT (2) ⑫ THROUGHOUT |
| ③ | SILL | 6063-T5 ALUMINUM ALLOY | 991-WT-R, PROVIDE 1/2"x1/4" WEEP HOLES AT 36" O.C. |
| ④ | SILL INSERT | AAMA APPROVED VINYL CUSTOM WINDOW EXTRUSIONS INC. | 991 WTR-2 PIECES OF 8 3/4" LONG W/ 1 3/4" SEPARATION AT CHANNEL GLASS JOINTS TO FIT (2) ⑫ THROUGHOUT |
| ⑤ | JAMB | 6063-T5 ALUMINUM ALLOY | 990-WT |
| ⑥* | CHANNEL GLASS | 0.28" THK. ANNEALED GLASS ASTM C 1036, TYPE 1, CLASS 1, QUALITY q3, ROLLED GLASS, CHANNEL SHAPE, CAST | K-25/60 SERIES GLASS |
| ⑥A* | JAMB ANGLE GLASS | 0.28" THK. ANNEALED GLASS ASTM C 1036, TYPE 1, CLASS 1, QUALITY q3, ROLLED GLASS, ANGLE SHAPE, CAST | K-25/60 SERIES GLASS THIS COMPONENT SHALL ONLY BE USED AT JAMBS AND ALWAYS COMBINED TOGETHER W/ (⑥ + ⑦) WHERE ⑥A MAY GO TO THE EXTERIOR OR INTERIOR OF WALL & OPPOSITE TO ⑥ |
| ⑦* | INTERLAYER FOR ⑥ | SAF-GLAS POLYCARBONATE LAMINATE BY SECURITY IMPACT GLASS HOLDING L.L.C. | MIAMI-DADE COUNTY APPROVED PER NOA 02-1205.03 INCLUDES 0.030" THICK ADHESIVE BY S.I.G. |
| ⑦A* | INTERLAYER FOR ⑥A | SAF-GLAS POLYCARBONATE LAMINATE BY SECURITY IMPACT GLASS HOLDING L.L.C. | MIAMI-DADE COUNTY APPROVED PER NOA 02-1205.03 INCLUDES 0.030" THICK ADHESIVE BY S.I.G. |
| ⑧ | SILICONE SEALANT | DOW CORNING 795 | AT GLASS & FRAME |
| ⑨ | 1/4"Ø TAPCON | ELCO TEXTRON, INC. | 3" Min. EDGE DISTANCE, SEE ELEVATION FOR ANCHOR SPACING, START AT 3" FROM ENDS |
| ⑩ | #1/4"Øx2" TEK SCREWS | ITW BUILDEX | TO 1/8" Min. THK. 6063-T5 ALLOY ALUMINUM OR Fy = 33 KSI MINIMUM STEEL W/ 1" Min. EDGE DISTANCE SEE ELEVATION FOR ANCHOR SPACING, START AT 3" FROM ENDS |
| ⑪ | GASKET | BUNZL EXTRUSION TACOMA, INC. | 166-WC USE (2) PER EACH ⑥ OR ⑥A JOINT FLEXIBLE PVC |
| ⑫ | GLASS SHIM | AAMA APPROVED VINYL CUSTOM WINDOW EXTRUSIONS INC. | 41-044 USE DOUBLE @ FRONT & BACK AT TOP/BOTTOM AT CHANNEL GLASS ⑥ & ⑥A JOINTS |

* SEE GLAZING NOTES ON SHEET 2 OF 5.

MIAMI DADE COUNTY:

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Date 11/11/07
NOA# 02-0810-12
Miami Dade Product Control
Division
By 

F.B.C. (HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.

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e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P. E.
FLORIDA Lic. # 44167

P.E. SEAL/SIGNATURE/DATE
10/9/06

PILKINTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM



TGP

Technical Glass Products
800 6th STREET
Kirkland, WA 98033

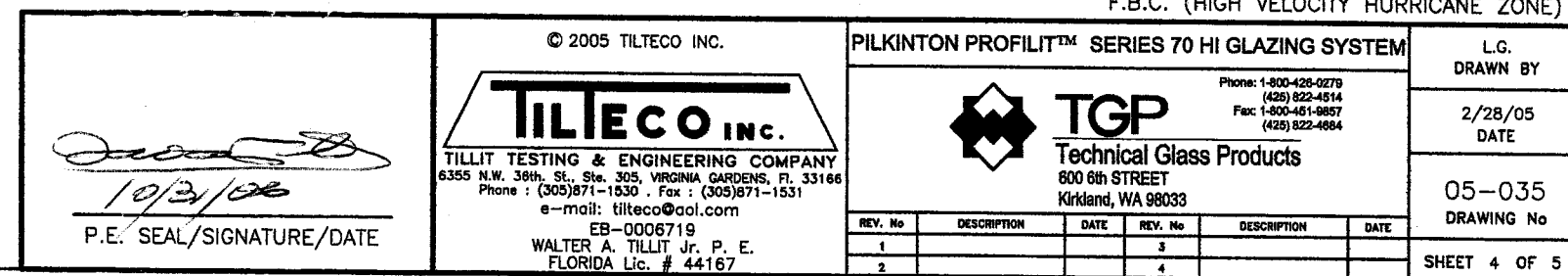
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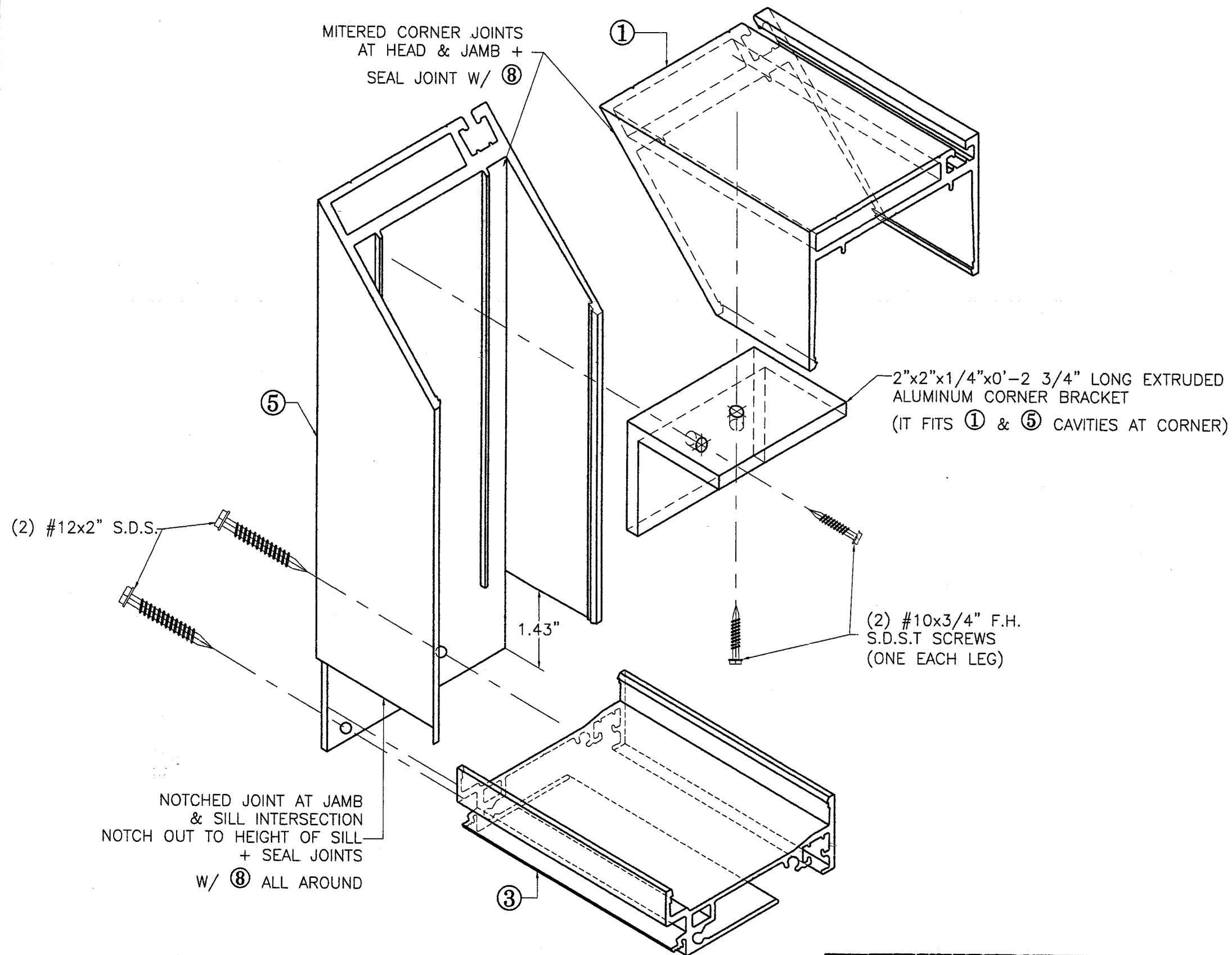
L.G.
DRAWN BY

2/28/05
DATE

05-035
DRAWING No

SHEET 3 OF 5





CORNER ASSEMBLY DETAIL:

SCALE: 1/2" = 1"

MIAMI DADE COUNTY:

Approved as complying with the
Florida Building Code
Date: 1/11/07
NOA: 06-0810-12
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By: [Signature]

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|------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------|---------|-------------|------|---|--|--|---|--|--|---|--|--|---|--|
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| REV. No | DESCRIPTION | DATE | REV. No | DESCRIPTION | DATE | | | | | | | | | | | | | | | |
| 1 | | | 3 | | | | | | | | | | | | | | | | | |
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